

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

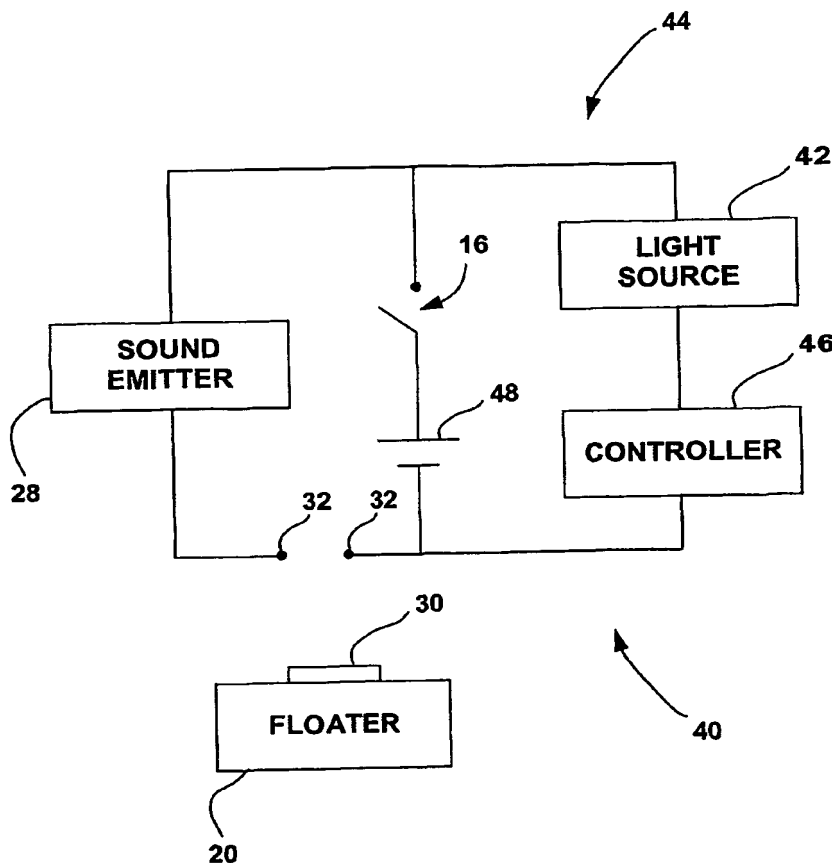
PCT

(10) International Publication Number
WO 2005/036104 A1

- (51) International Patent Classification⁷: **G01F 23/00**, (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/CA2004/001837
- (22) International Filing Date: 18 October 2004 (18.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/511,596 16 October 2003 (16.10.2003) US
- (71) Applicant and
(72) Inventor: **COLLIER, William, R.** [US/CA]; C.P. 97, 26, avenue Versailles, Estere1, Québec J0T 1L0 (CA).
- (74) Agent: **OGILVY RENAULT?**; Suite 1600, 1981 McGill College Avenue, Montréal, Québec H3A 2Y3 (CA).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FLUID LEVEL DETECTOR AND ALARM APPARATUS



(57) Abstract: A fluid level detector and alarm apparatus for detecting a fluid level in a liquid receiving open-top vessel such as sinks, tubs and the like, comprising: a housing being connectable to the vessel so as to be positioned within the vessel. A sound emitter is positioned within the housing, the sound emitter being actuatable to emit a sound alarm. A circuit interconnects the sound emitter to the power source and has opposed ends emerging out of the housing. A float unit has a conductive member thereon and is operatively connected to the housing so as to be displaceable with respect to the housing to a contacting position in which the conductive member contacts the opposed ends of the circuit to actuate the sound emitter, whereby the float unit is displaced to the contacting position by buoyant forces exerted on the float unit as a result of the fluid level in the vessel reaching the predetermined level, such that a sound alarm is emitted.



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.